

Ching Yung

AWS CLOUD ENGINEER

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📍 London, United Kingdom

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AWS Cloud Engineer with 5+ years building and operating production infrastructure using Terraform, CloudFormation, and CI/CD automation. Hands-on across the AWS service catalogue — compute, storage, databases, serverless (Lambda), networking, and security — with a track record of deploying reusable IaC modules at scale and embedding compliance into every pipeline. **Dual AWS Professional certifications** (Solutions Architect + DevOps Engineer) and a CKA. Experienced building production observability with CloudWatch, Datadog, and Prometheus, and maintaining operational runbooks and incident response processes that keep services reliable.

PROFESSIONAL EXPERIENCE

Career Development & Upskilling

Self-directed

2025 – Present

London, UK

- **Earned CKA certification** — deepened Linux systems and Kubernetes operations knowledge across namespaces, network policies, and node-level troubleshooting
- **Open-sourced a serverless AWS platform on GitHub** — API Gateway + Lambda backbone with CloudFormation IaC, automated deployment pipelines, and security defaults baked into reusable templates
- Bridged theoretical expertise from **AWS Professional certifications** with hands-on labs to build data pipelines using MSK, EMR (Spark), and Apache Iceberg, aligning with Common Data Fabric (CDF) architectural patterns.

Senior Cloud Engineer

Toluna Corporate

2022 – 2024

London, UK

Mission-critical SaaS platform — millions of users globally, real-time analytics workloads

- **Deployed reusable Terraform modules** for all core AWS components — VPC, EKS, IAM, KMS, RDS, S3, DynamoDB — across **200+ resources**, cutting deployment lead time from 120 → 15 min
- **Implemented CI/CD pipelines** (GitLab CI, Jenkins) with automated rollbacks, compliance checks, and deployment safety gates across multiple environments
- **Supported security practices** — IAM permission boundaries, AWS Inspector automation, infrastructure code scanning (tfsec/Checkov) — ensuring compliance and eliminating critical vulnerabilities
- **Built production observability** using CloudWatch metrics/logs/alerts, Datadog APM with distributed tracing, and SLI/SLO dashboards that caught regressions before customer impact
- **Maintained operational runbooks and incident triage workflows** — led blameless post-mortems and cross-team resolution, holding **99.99% uptime**

TECHNICAL SKILLS

AWS SERVICES

- EC2 / VPC
- Lambda
- API Gateway
- EKS / ECS
- S3
- DynamoDB
- RDS / Aurora
- CloudFront
- IAM / SCP

INFRASTRUCTURE AS CODE

- Terraform
- CloudFormation
- Reusable Modules
- Kubernetes / Helm
- Docker

CI/CD & DEPLOYMENT

- GitLab CI
- Jenkins
- GitHub Actions
- Automated Rollbacks
- Compliance Gates

AWS SECURITY & GOVERNANCE

- GuardDuty
- Security Hub
- CloudTrail
- AWS Config
- KMS
- Secrets Manager
- tfsec / Checkov
- Policy-as-Code

OBSERVABILITY

- CloudWatch
- Datadog APM
- Prometheus / Grafana
- Distributed Tracing
- SLI / SLO

NETWORKING

- VPC / Subnets
- NAT / Routing
- Endpoint Policies
- Security Groups

LANGUAGES & SCRIPTING

- Python
- Bash / Linux
- AWS CLI
- Go
- Node.js

OPERATIONS

- Runbooks / Playbooks
- Incident Response
- RCA / Post-Mortems
- DR & Failover
- Change Management

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PROFESSIONAL EXPERIENCE

Software Engineer

2021 – 2022

Further
London, UK

- Research SaaS platform — greenfield AWS migration, serverless-first architecture
- Led the greenfield AWS platform design**, delivering a resilient multi-layer architecture handling **700K+ daily requests** with sub-second latency
 - Architected serverless workloads** using Lambda, API Gateway, and event-driven patterns with CloudFront caching, reducing database load by **65%**
 - Established deployment governance** with canary rollouts, automated rollback, and compliance gates coordinated across platform and product teams
 - Centralised secrets management** via AWS Secrets Manager with automated rotation, eliminating hardcoded credentials across 15+ services
 - Built internal automation tooling** in Python and Go for infrastructure provisioning, monitoring integration, and operational runbooks

Software Engineer

2019 – 2021

ESD Services Limited
Hong Kong

- High-volume e-commerce platform — 700K+ daily transactions, global distribution
- Managed production AWS infrastructure** (EC2, RDS, ElastiCache, S3, CloudFront) with auto-scaling and disaster recovery for peak traffic events
 - Introduced Docker containerisation with CI/CD automation**, improving deployment reliability and environment consistency across global regions
 - Wrote automation scripts** in Python and Bash for infrastructure provisioning, CloudWatch monitoring integration, and operational runbooks

KEY IMPACT

-  **99.99% Availability**
Production incident ownership with SLI/SLO monitoring and automated failover
-  **8× Faster Deployments**
120 → 15 min via reusable Terraform modules and CI/CD pipelines with compliance gates
-  **Zero Critical Findings**
GuardDuty + Security Hub + CloudTrail + IaC scanning enforced across 200+ resources
-  **200+ IaC Resources**
Reusable Terraform modules across compute, storage, database, and networking

CERTIFICATIONS

- AWS Certified Solutions Architect**
Amazon Web Services
PROFESSIONAL
- AWS Certified DevOps Engineer**
Amazon Web Services
PROFESSIONAL
- Certified Kubernetes Administrator**
Linux Foundation / CNCF
CKA

EDUCATION

- BEng Computer Science & Engineering**
Hong Kong University of Science and Technology